



How to Restore Your PD² Database*

March 2, 2000

* Because this topic is not covered by the current PMO funded SPS Helpdesk Agreement, this document has been provided to help you resolve this issue. If you still need assistance after reviewing this document, please contact a representative from your Customer Support Team.

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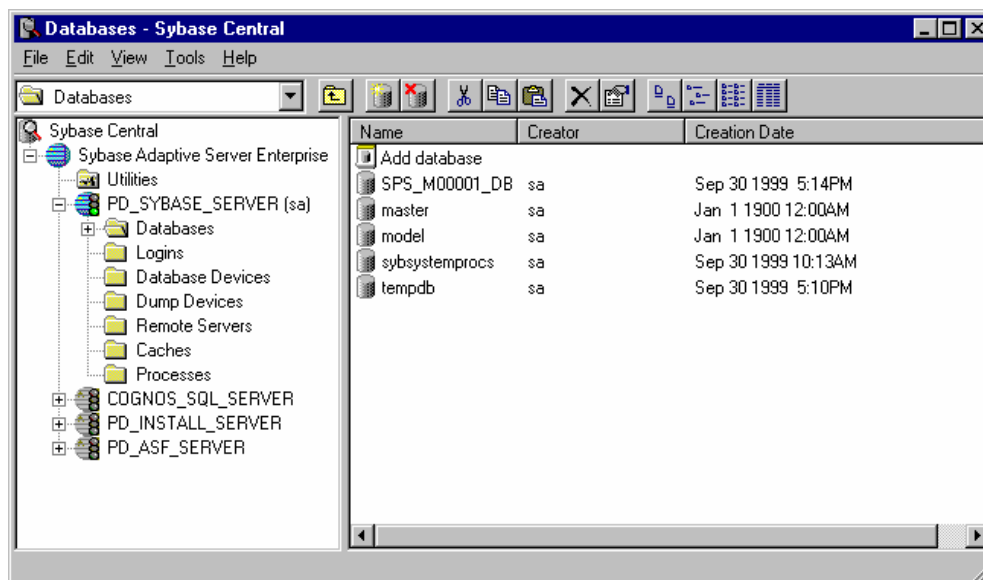
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1. Part I: Restoring the Database

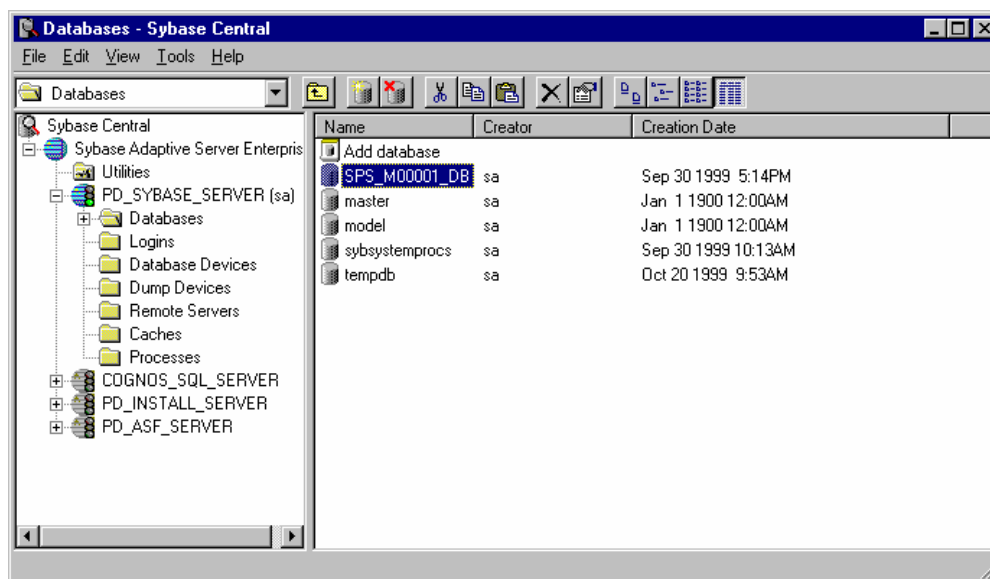
1.1 Using Sybase Central

Note: If you do not have access to Sybase Central you may follow the steps under Section 1.2 Using WISQL or SQL Advantage.

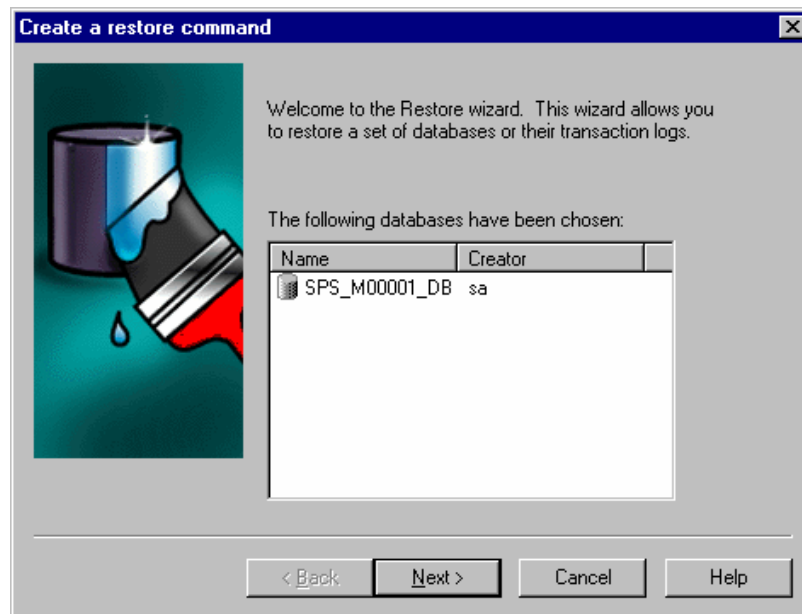
Open Sybase Central and connect to the server that houses the database that you wish to restore. You can log on to the server using your 'sa' id and password.



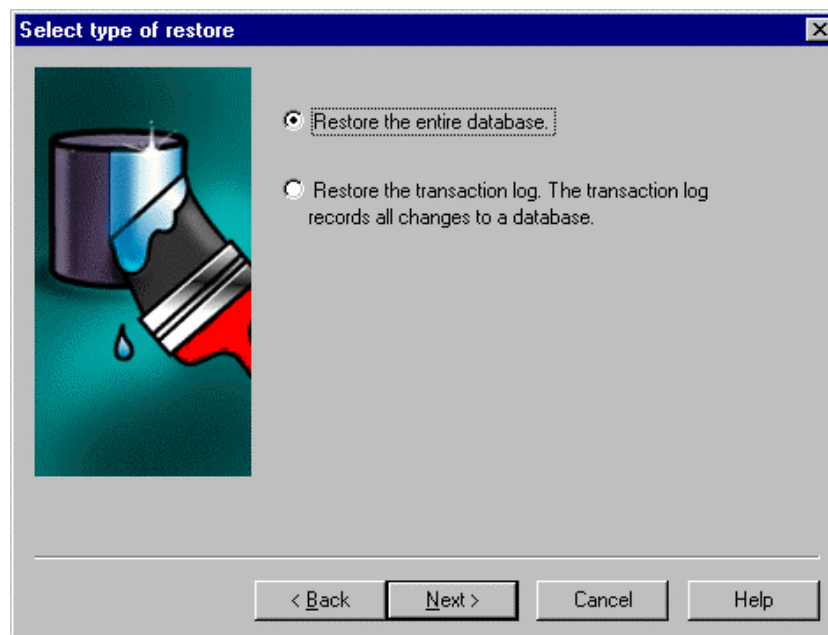
Open the folder entitled Databases and highlight the database that you want to restore.



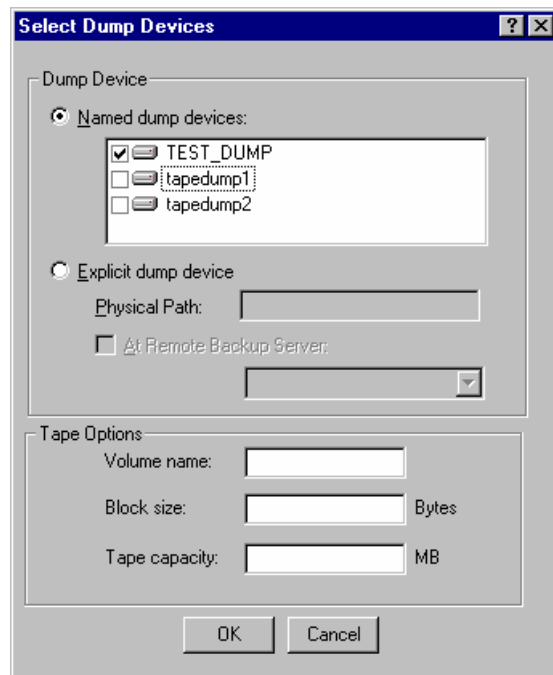
Right click on this database and select Restore. Or highlight the database then go to the File menu and select Restore. This launches the restore wizard. If the database name is correct select the Next button.



Select "Restore the entire database." Click the Next button.



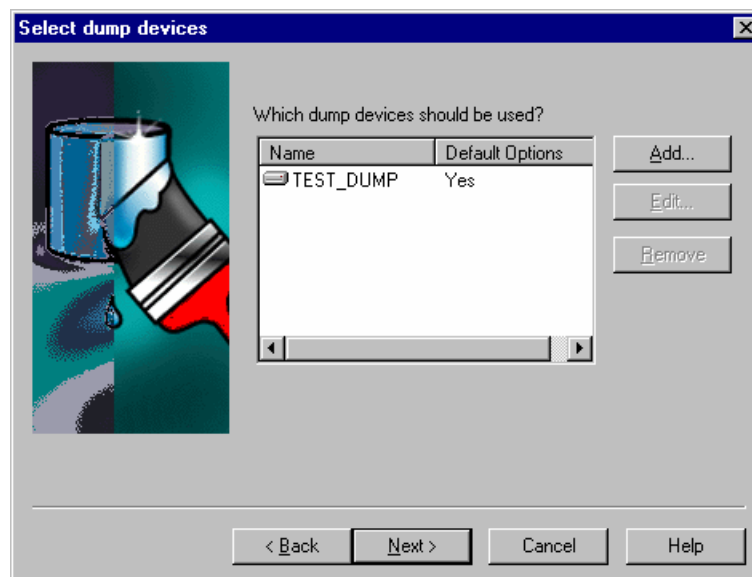
The next screen (not shown) prompts you to select Dump Devices. Click on the Add button.



Select the Dump Device that contains the backup that you want to use and click OK.

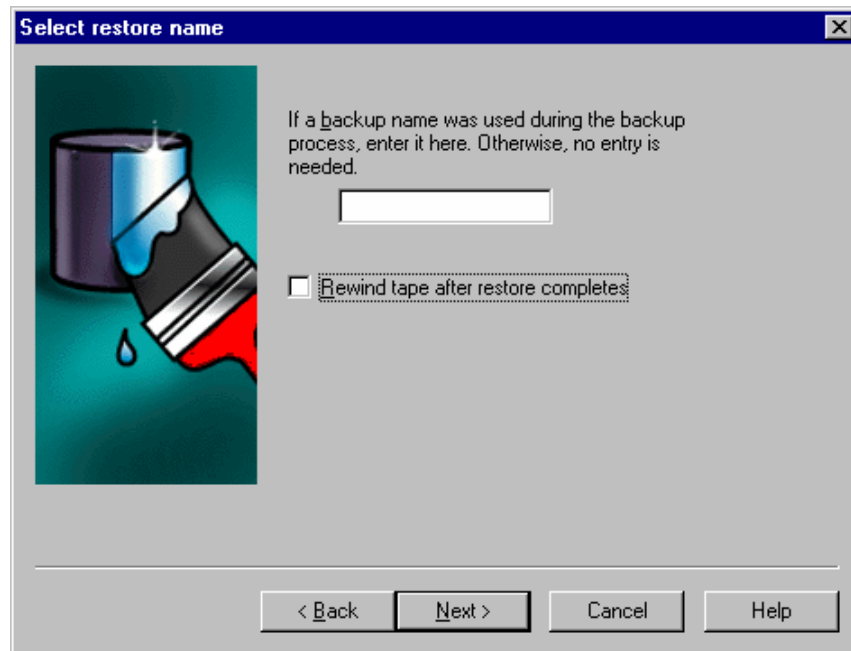
Note: If you backup your database to more than one dump device then see instructions in Section 1.1.1 Restoring the Database from Multiple Devices.

You will be returned to the select Dump Devices window. If the name of the dump device is correct click on the Next button.

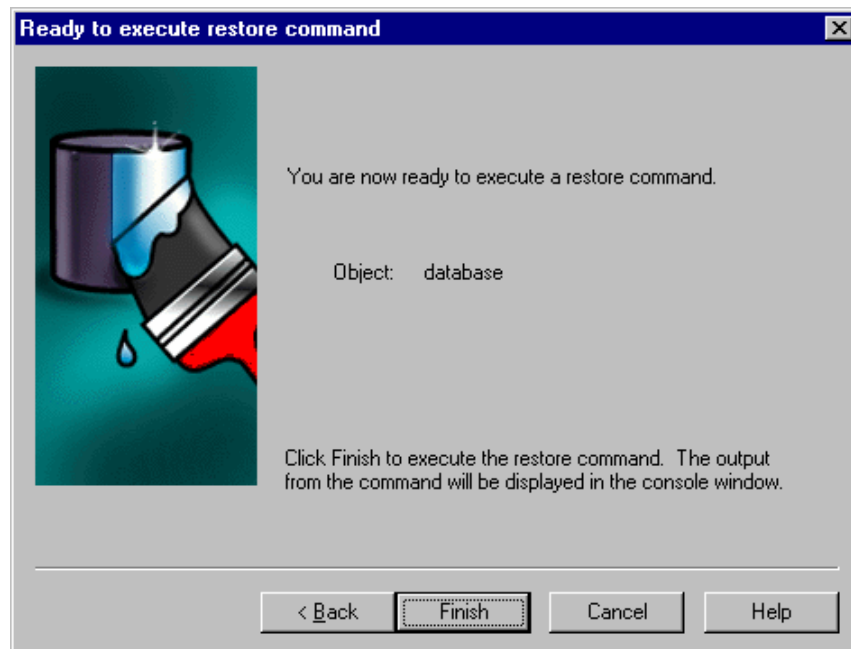


Name	Default Options
TEST_DUMP	Yes

The next screen prompts you for a restore name. Because you did not name your backup you can leave this field blank. If you are using a Tape Dump Device you may select “Rewind Tape...”. Click the Next button.



Select Finish on the final window.



When the restore starts a Sybase Tools Console window appears and begins to list the progress of the restoration.

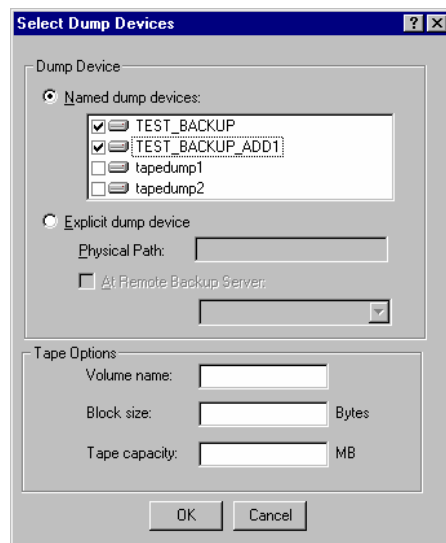
```

Backup Server session id is: 8. Use this value when executing the 'sp_volchanged' s
Backup Server: 6.28.1.1: Dumpfile name '0001.DB9929309AD8' section number 0001 mounte
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 41984 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 62260 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 68804 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 86208 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 103316 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 128048 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 130356 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 138192 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 193024 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 272384 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 324100 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 374784 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 401218 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 436224 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 479234 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 523266 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 566784 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 609794 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 653312 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 696322 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 748544 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 815616 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 855040 kilobytes LOAded.
Backup Server: 4.58.1.1: Database SPS_M00001_DB: 855042 kilobytes LOAded.
Backup Server: 3.42.1.1: LOAD is complete (database SPS_M00001_DB).
  
```

When the restore is complete a line stating “LOAD is complete” should appear at the bottom of the Sybase Tools Console window.

1.1.1 Restoring the Database from Multiple Devices

If your database is currently being backed up to multiple devices then you must select each device when restoring the database. When you get to the “Select Dump Devices” window be sure to check off each device that was used when the database was backed up.



1.2 Using WISQL or SQL Advantage

Note: If you do not have access to WISQL or SQL Advantage you may follow the steps under Section 1.1 Using Sybase Central.

Execute the following command in WISQL or SQL Advantage if you used *dump devices* for your backup.

```
load database <database_name> from <device_name>
```

<database_name> = the name of the database that you are restoring.

<device_name> = the name of your dump device.

Example

```
load database SPS_TEST from TEST_BACKUP
go
```

Execute the following command in WISQL or SQL Advantage if you used *physical files* for your backup.

```
load database <database_name> from "<physical_file>"
```

<database_name> = the name of the database that you are restoring.

<physical_file> = the directory and file name of the .dmp file.

Example

```
load database SPS_TEST from
"c:\sybase\backup\TEST_BACKUP.dmp"
go
```

1.2.1 Restoring the Database from Multiple Devices

If your database is currently being backed up to multiple devices using the “stripe on” command then you must use the same devices when restoring the database.

Execute the following command in WISQL or SQL Advantage if you used *dump devices* for your backup.

```
load database <database_name> from <device_name>
stripe on <device_name_ADD1>
```

<database_name> = the name of the database that you are restoring.

<device_name> = the name of your dump device.

<device_name_ADD1> = the name of your additional dump device.

Example

```
load database SPS_TEST from TEST_BACKUP stripe on  
TEST_BACKUP_ADD1  
go
```

Execute the following command in SQL Advantage if you used *physical files* for your backup.

```
load database <database_name> from "<physical_file>"  
stripe on "<physical_file_ADD1>"
```

<database_name> = the name of the database that you are restoring.

<physical_file> = the directory and file name of the .dmp file.

<physical_file_ADD1> = the directory and file name of the additional .dmp file.

Example

```
load database SPS_TEST from  
"c:\sybase\backup\TEST_BACKUP.dmp" stripe on  
"c:\sybase\backup\TEST_BACKUP_ADD1.dmp"  
go
```

2. Part II: Bringing the Database Back Online

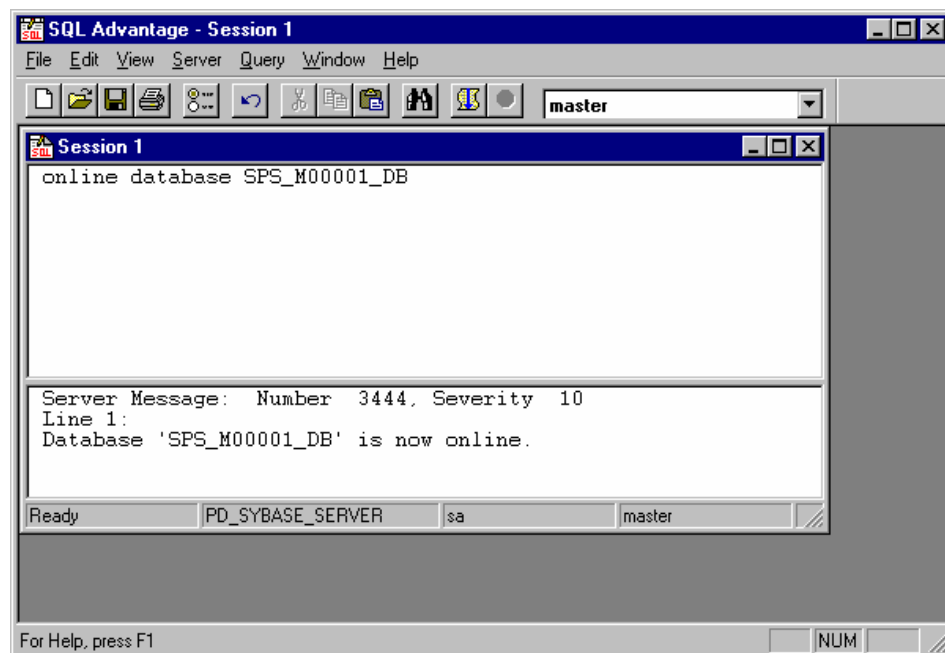
In some versions of Sybase Central you may receive a window prompting you to use the ONLINE DATABASE command to bring the database online. This can be done by following these steps:

Login to WISQL or SQL Advantage as 'sa' and connect to the master database. Enter the following command in the query window.

online database <database_name>

<database_name> = the name of the database that is offline.

Execute the entire statement. When finished you will receive a message stating that the database is now online.



Once the database is online you can logout of SQL Advantage and log into PD².